RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	MMM MMM MMM RR MMMMMM	MMM	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	SSSSS
RRR RI RRR RI RRR RI	RR MMMMMM RR MMMMMM RR MMM MMM RR MMM MMM	MMMMMM SSS MMMMMMM SSS MMM SSS MMM SSS		
RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	RR MMM MMM MMM MMM MMM MMM	MMM	\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	SS SS
RRR RRR RRR RRR RRR RRR	MMM MMM MMM	MMM MMM MMM		\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$
RRR RI	MMM RR MMM RR MMM RR MMM	MMM SSS	\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	SS

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NTS NTS NTS NTS NTS NTS

NT: NT: NT: NT: NT: NT: NT: NT: NT:

NT NT NT NT NT PI

	- 5
-	-

RRRRRRRR RR	MM MM MMM MMM MMMM MMM MM MM MM MM MM MM	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	000000 00 00 00 00	UU	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$						

RMSOUPDAT DISPATCH FOR UPDATE OPERATION 16-SEP-1984 01:34:16 VAX/VMS Macro V04-00 Page 0
Table of contents
(2) 74 DECLARATIONS
(3) 97 RMS\$UPDATE - COMMON \$UPDATE SETUP AND DISPATCH ROUTINE

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\$BEGIN RMSOUPDAT,000, RM\$RMS, <DISPATCH FOR UPDATE OPERATION>

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; Facility: rms32

Abstract:

this routine is the highest level control routine to perform the Supdate function.

Environment:

star processor running starlet exec.

Author: L F LAVERDURE,

Creation Date: 3-FEB-1977

Modified By:

V03-007 JWT0141 11-Nov-1983 Jim Teague Change IFB\$V_RUM to IFB\$V_ONLY_RU

KPL0003 Peter Lieberwirth 2 If AT jnling, tell RJR this is an UPDATE. V03-006 KPL0003 26-Jul-1983

KPL0002 Peter Lieberwirth 24-Jul-1983
If AT journaling, get RAB data that describes user's request. V03-005 KPL0002

V03-004 KPL0001 Peter Lieberwirth 20-Jun-1983 Change some references to JNLFLG to JNLFLG2.

TMK0001 Todd M. Katz 27-Dec-1982
Do not turn of the IRB\$V_FIND_LAST flag within RM\$RSET. This flag will be turned off within the routines for the individual V03-003 TMK0001

2222222222223333333333333333 012345678901234567

RM

PS

RM SA

Ph

PS) PS CAS TAST 22

Ma

70 92 Th

MA

OE 00A0 CA

FFE2'

BRW

```
DISPATCH FOR UPDATE OPERATION
                                                                                VAX/VMS Macro V04-00
[RMS.SRC]RMSOUPDAT.MAR;1
                                                                                                                 Page
                                                                                                                         (3)
     RMS$UPDATE
                    COMMON SUPDATE SETUP AND DI
                                 .SBTTL RMS$UPDATE - COMMON $UPDATE SETUP AND DISPATCH ROUTINE
                   98
99
100
                        : **
RMS$UPDATE
                   101
          RMS$UPDATE - this routine performs common rab function setup followed
                                                 by dispatch to organization-dependent Supdate code
                          Calling sequence:
                   106
                                 entered from exec as a result of user's calling sys$update
                                 (e.g., by using the Supdate macro)
                   110
                          Input Parameters:
                                           user's argument list addr
                   114
                          Implicit Inputs:
                   116
117
           the contents of the rab and related irab and ifab.
                   118
                          Output Parameters:
                   12234567890123456789012445
122234567890123456789012445
                                           destroyed
                                 rO
                                           status code
                          Implicit Outputs:
                                 various fields of the rab are filled in to reflect
                                 the status of the Supdate operation. (see rms functional
                                 spec for a complete list.)
                                 the irab is similarly updated.
                                 a completion ast is queued if specified in the user arglist.
                          Completion Codes:
                                 standard rms (see functional spec for list).
                          Side Effects:
                                 none
                                           RMS$UPDATE
                                 SENTRY
                                          UPDATE
                                 STSTPT
          0006
000A
000A
000A
000A
000A
0010
0016
                                 $RABSET FAC=IFB$V_UPD
                                                                                          : do common setup
                   146
147
148
149
150
151
153
                          returns to user on error
                                           #IFB$V_ONLY_RU, IFB$B_JNLFLG(R10),10$
#IFB$V_RUP, IFB$B_JNLFLG2(R10),10$
                                                                                          ; branch if not RU only
; branch if in RU
00
                                 BBC
                                 BBS
                                 RMSERR
                                          NRU
      31
                                           RM$EXRMS
```

(3)

RMSOUPDAT V04-000

```
RMSOUPDAT
                                                                                                              16-SEP-1984 01:34:16
5-SEP-1984 16:25:37
                                                DISPATCH FOR UPDATE OPERATION
                                                                                                                                               VAX/VMS Macro V04-00
[RMS.SRC]RMSOUPDAT.MAR;1
                                                                                                                                                                                          Page
                                                                                                                                                                                                   (3)
 Symbol table
$$.PSECT_EP

$$RMSTEST

$$RMS_PBUGCHK

$$RMS_TBUGCHK

$$RMS_UMODE

IFB$B_JNLFLG

IFB$B_JNLFLG2

IFB$B_ORGCASE

IFB$V_AT

IFB$V_ONLY_RU

IFB$V_UPD

PIO$A_TRACE

RJR$_UPDATE

RM$AT_COM_RAB

RM$ERRORG

RM$EXRMS
                                               = 00000000
                                               = 0000001A
                                               = 00000010
                                               = 00000008
                                               =
                                                  00000004
                                               =
                                                  000000A0
                                                  000000A2
                                               =
                                               =
                                                  00000004
                                                  00000000
                                               = 00000002
                                               = 00000003
                                                                         01
                                               = 0000001C
                                                  ******
                                                  *******
RMSEXRMS
                                                  ******
RM$RSET
                                                  *******
RMSUPDATE1
                                                  *******
RM$UPDATE2
                                                  ******
RM$UPDATE3
                                                  *******
                                               = FFFFFFF RG
RMS$UPDATE
RMS$ NRU
TPT$E_UPDATE
                                               = 000187FC
                                                  ******
                                                                           Psect synopsis!
PSECT name
                                                Allocation
                                                                               PSECT No.
                                                                                               Attributes
------
    ABS
                                                00000000
                                                                                                                             ABS
                                                                                                                                      LCL NOSHR NOEXE NORD GBL NOSHR EXE RD
                                                                                        0.)
                                                                                                NOPIC
                                                                                                           USR
                                                                                                                                                                       NOWRT NOVEC BYTE
                                                                                                                     CON
                                                                      59.)
RM$RMS
                                                 0000003B
                                                                                                  PIC
                                                                                                           USR
                                                                                                                     CON
                                                00000000
                                                                       0.)
$ABS$
                                                                                                           USR
                                                                                                                     CON
                                                                                                                                      LCL NOSHR
                                                                                                                                                                 RD
                                                                                                                                                                           WRT NOVEC BYTE
                                                                       Performance indicators
Phase
                                      Page faults
                                                                                   Elapsed Time
                                                            CPU Time
----
                                                            00:00:00.08
00:00:00.73
00:00:05.45
00:00:00.70
00:00:01.03
                                                                                   00:00:01.18
 Initialization
                                                                                   00:00:01.18

00:00:04.74

00:00:16.93

00:00:01.30

00:00:02.00

00:00:00.04

00:00:00.03

00:00:26.22
 Command processing
Pass 1
                                                  45
Symbol table sort
Pass 2
Symbol table output
                                                             00:00:00.04
                                                            00:00:00.03
00:00:00.00
00:00:08.06
Psect synopsis output
Cross-reference output
Assembler run totals
```

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F

The working set limit was 1350 pages.
28944 bytes (57 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 583 non-local and 4 local symbols.
173 source lines were read in Pass 1, producing 13 object records in Pass 2.
18 pages of virtual memory were used to define 17 macros.

G 4 **RMSOUPDAT** DISPATCH FOR UPDATE OPERATION 16-SEP-1984 01:34:16 VAX/VMS Macro V04-00 5-SEP-1984 16:25:37 [RMS.SRC]RMSOUPDAT.MAR;1 (3) Page VAX-11 Macro Run Statistics Macro library statistics ! Macro library name Macros defined _\$255\$DUA28:[RMS.OBJ]RMS.MLB;1 _\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 _\$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries) 13 696 GETS were required to define 13 macros. There were no errors, warnings or information messages. MACRO/LIS=LIS\$:RMSOUPDAT/OBJ=OBJ\$:RMSOUPDAT MSRC\$:RMSOUPDAT/UPDATE=(ENH\$:RMSOUPDAT)+EXECML\$/LIB+LIB\$:RMS/LIB

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